



FluoSolv[®] 7200

Technical Information

Azeotropic Vapor-degreasing Solvent

Introduction

FluoSolv[®] 7200 is an identical replacement to Novec 3M 7200. It is an ethoxy-nonafluorobutane (C₄F₉OC₂H₅), is a clear, colorless and low-odor fluid intended to replace ozone-depleting substances (ODSs), compounds with high global warming potential (GWP) and chlorinated materials in many applications. Its physical properties are compared with several other ODS replacement fluid candidates

FluoSolv 7200 fluid has a higher boiling point than most CFCs, HCFCs and HFCs, reducing evaporative losses. The low surface tension and low viscosity of FluoSolv 7200 fluid make it ideal for use in vapor degreasing and cold cleaning applications. In addition, its chemical and thermal stability, non flammability and low toxicity make it useful for other industrial applications such as specialty solvent and heat transfer applications.

Applications

- Identical to 3M Novec 7200
- Cold cleaner (flex circuits, wipe solvent)
- Cleaning and rinsing agent for vapor degreasing.
- Light-duty cleaning (neat)-particulates, fluorolubes, light oils, fluoropolymers.
- Lubricant carrier, fluorocarbons, hydrocarbons, silicones.
- Specialty solvents, dispersion medium, reaction medium, extraction solvent.
- CFC, HCFC, HFC and PFC replacement
- Heat Transfer Fluid

Material Compatibility

FluoSolv[®] 7200 is compatible with all metals, ceramic and other non-conducting materials. Most elastomeric materials are compatible except fluoroelastomers such as Viton & Kalrez which tend to swell. It is recommended that all materials be tested prior to use.

Compatible

Metals	Aluminum, Copper, S/S Titanium, BCASs, Tungsten
Elastomers	Neoprene, Butyl Rubber, EPDM, Kynar (PVDF)
Plastics	HDPE, PTFE, Nylon, PVC Epoxy, Phenolic

Additional testing required for plastics such as ABS, Acrylic, Polycarbonate and fluoroelastomers (Viton A & B & others)

Physical Properties

Property	NuGenTec FluoSolv® 7200	FluoSolv 7100	HCFC-225
Boiling Point (°C) @ 760 mmHg	76	61	54
Liquid Density (g/ml)	1.43	1.52	1.55
Surface Tension (dynes/cm)	13.6	13.6	16.2
Solubility of Solvent in Water (ppmw)	<20	12	330
Vapor Pressure (mmHg)	109	202	290
Global Warming Potential	55	320	180/160
Ozone Depleting Chemical	0	0	0.03
Volatile Organic Compounds (VOC)	Exempt	Exempt	-
Flash point	None	None	None

Free Solvent Sample and Vapor Degreaser for Testing

NuGenTec offers a small loaner vapor degreaser and a loaner 5-gallon pail to assist with your testing. The loaner vapor degreaser plugs into a standard wall outlet and fits on a standard pallet. This allows you to test our FluoSolv® solvent in your own controlled environment without immediately changing the solvent in your current equipment.

For more information about testing our FluoSolv®, please call us at 800-409-3142 or [Contact Us](#).

Email: FluoSolv@nugentec.com

FluoSolv® 7200 is available in three package sizes

- 55-gal lined metal drums (net wt. 550 lbs)
- 5-gal lined pails (net wt. 52.5 lbs)
- 1 gal glass or metal bottle (net wt. 11 lbs)

Note: Drum & Pail have phenolic liner